

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/561342.app.	US-PGPUB; USPAT	OR	ON	2010/05/13 11:12
S2	63182	(Membrane or separator or film or electrolyte) near3 (poly olefin or poly\$1olefin\$1 or poly ethylene\$1 or poly\$1ethylene\$1 or poly propylene\$1 or poly \$1propylene or pe or pp)	EPO; JPO; DERWENT	ADJ	ON	2010/05/13 11:39
S3	177606	(Membrane or separator or film or electrolyte) near3 (poly (vinylidene fluoride or poly \$1vinylidene fluoride or PVDF or poly(vinylidene)-co-(hexafluoropropylene) or poly \$1vinylidene\$1co \$1hexafluoropropylene or [P (VDF-HFP)] or poly(acrylonitrile) or poly\$1acrylonitrile\$1 or (PAN) or poly(vinylidene)-co-(acrylonitrile) or poly\$1vinylidene \$1co\$1acrylonitrile or [P(VDF-AN)]) or copolymer or poly (ethylene oxide) or poly \$1ethylene oxide) or (PEO) or poly(urethane) or poly \$1urethane\$1 or poly (methyl acrylate) or poly \$1methylacrylate) or poly (methyl methacrylate) or poly \$1methyl methacrylate or (PMMA) or poly(acrylamide) or poly\$1acrylamide\$1 or (PAA) or poly(vinyl chloride) or poly \$1vinyl chloride or (PVC) or poly (vinylacetate) or poly \$1vinylacetate or (PVAc) or poly (vinylpyrrolidone) or poly \$1vinylpyrrolidone or polytetraethylene glycol diacrylate poly(ethylene glycol dimethacrylate or poly \$1ethylene or PEGDMA or cellulose or acetate)	EPO; JPO; DERWENT	ADJ	ON	2010/05/13 11:41

S4	8887	((Membrane or separator or film or electrolyte) near3 (poly(vinylidene fluoride or poly\$1vinylidene fluoride or PVDF or poly(vinylidene)-co-(hexafluoropropylene) or poly\$1vinylidene\$1co\$1hexafluoropropylene or [P(VDF-HFP)] or poly(acrylonitrile) or poly\$1acrylonitrile\$1 or (PAN) or poly(vinylidene)-co-(acrylonitrile) or poly\$1vinylidene\$1co\$1acrylonitrile or [P(VDF-AN)]) or copolymer or poly(ethylene oxide) or poly\$1ethylene oxide) or (PEO) or poly(urethane) or poly\$1urethane\$1 or poly(methylacrylate) or poly\$1methylacrylate) or poly(methyl methacrylate) or poly\$1methyl methacrylate or (PMMA) or poly(acrylamide) or poly\$1acrylamide\$1 or (PAA) or poly(vinyl chloride) or poly\$1vinyl chloride or (PVC) or poly(vinylacetate) or poly\$1vinylacetate or (PVAc) or poly(vinylpyrrolidone) or poly\$1vinylpyrrolidone or polytetraethylene glycol diacrylate poly(ethylene glycol dimethacrylate or poly\$1ethylene or PEGDMA or (cellulose or acetate)) with (fiber or fibril or fibre)	EPO; JPO; DERWENT	ADJ	ON	2010/05/13 11:44
S5	196	S2 and S4	EPO; JPO; DERWENT	ADJ	ON	2010/05/13 11:45
S6	4655	((Membrane or separator or film or electrolyte) near3 (poly(vinylidene fluoride or poly\$1vinylidene fluoride or PVDF or poly(vinylidene)-co-(hexafluoropropylene) or poly\$1vinylidene\$1co\$1hexafluoropropylene or [P(VDF-HFP)] or poly(acrylonitrile) or poly\$1acrylonitrile\$1 or (PAN) or poly(vinylidene)-co-(acrylonitrile) or poly\$1vinylidene\$1co\$1acrylonitrile or [P(VDF-AN)]) or copolymer or poly(ethylene oxide) or poly\$1ethylene oxide) or (PEO) or poly(urethane) or poly\$1urethane\$1 or poly(methylacrylate) or poly\$1methylacrylate) or poly(methyl methacrylate) or poly\$1methyl methacrylate)	EPO; JPO; DERWENT	ADJ	ON	2010/05/13 11:46

		\$1methyl methacrylate or (\$PMMA) or poly(acrylamide) or poly\$1acrylamide\$1 or (PAA) or poly(vinyl chloride) or poly \$1vinyl chloride or (PVC) or poly (vinylacetate) or poly \$1vinylacetate or (PVAc) or poly (vinylpyrrolidone) or poly \$1vinylpyrrolidone or polytetraethylene glycol diacrylate poly(ethylene glycol dimethacrylate or poly \$1ethylene or PEGDMA or cellulose or acetate)) near5 (fiber or fibril or fibre)			
S7	63182	(Membrane or separator or film or electrolyte) near3 (poly olefin or poly\$1olefin\$1 or poly ethylene\$1 or poly\$1ethylene\$1 or poly propylene\$1 or poly \$1propylene or pe or pp)	EPO; JPO; DERWENT	ADJ	ON 2010/05/13 14:43
S8	4655	((Membrane or separator or film or electrolyte) near3 (poly (vinylidene fluoride or poly \$1vinylidene fluoride or PVDF or poly(vinylidene)-co- (hexafluoropropylene) or poly \$1vinylidene\$1 co \$1hexafluoropropylene or [P (VDF-HFP)] or poly(acrylonitrile) or poly\$1acrylonitrile\$1 or (PAN) or poly(vinylidene)-co- (acrylonitrile) or poly\$1vinylidene \$1co\$1acrylonitrile or [P(VDF- AN)]) or copolymer or poly (ethylene oxide) or poly \$1ethylene oxide) or (PEO) or poly(urethane) or poly \$1urethane\$1 or poly (methylacrylate) or poly \$1methylacrylate) or poly (methyl methacrylate) or poly \$1methyl methacrylate or (\$PMMA) or poly(acrylamide) or poly\$1acrylamide\$1 or (PAA) or poly(vinyl chloride) or poly \$1vinyl chloride or (PVC) or poly (vinylacetate) or poly \$1vinylacetate or (PVAc) or poly (vinylpyrrolidone) or poly \$1vinylpyrrolidone or polytetraethylene glycol diacrylate poly(ethylene glycol dimethacrylate or poly \$1ethylene or PEGDMA or cellulose or acetate)) near5 (fiber or fibril or fibre)	EPO; JPO; DERWENT	ADJ	ON 2010/05/13 14:43

S9	70	S8 and S7	EPO; JPO; DERWENT	ADJ	ON	2010/05/13 14:43
S10	2	S9 and (battery or batteries or electrochemical)	EPO; JPO; DERWENT	ADJ	ON	2010/05/13 14:45
S11	124823	(Membrane or separator or film or electrolyte) near3 (poly olefin or poly\$1olefin\$1 or poly ethylene\$1 or poly\$1ethylene\$1 or poly propylene\$1 or poly \$1propylene or pe or pp)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 14:47
S12	18766	((Membrane or separator or film or electrolyte) near3 (poly (vinylidene fluoride or poly \$1vinylidene fluoride or PVDF or poly(vinylidene)-co-(hexafluoropropylene) or poly \$1vinylidene\$1 co \$1hexafluoropropylene or [P (VDF-HFP)] or poly(acrylonitrile) or poly\$1acrylonitrile\$1 or (PAN) or poly(vinylidene)-co-(acrylonitrile) or poly\$1vinylidene \$1co\$1acrylonitrile or [P(VDF- AN)] or copolymer or poly (ethylene oxide) or poly \$1ethylene oxide) or (PEO) or poly(urethane) or poly \$1urethane\$1 or poly (methylacrylate) or poly \$1methylacrylate) or poly (methyl methacrylate) or poly \$1methyl methacrylate or (PMMA) or poly(acrylamide) or poly\$1acrylamide\$1 or (PAA) or poly(vinyl chloride) or poly \$1vinyl chloride or (PVC) or poly (vinylacetate) or poly \$1vinylacetate or (PVAc) or poly (vinylpyrrolidone) or poly \$1vinylpyrrolidone or polytetraethylene glycol diacrylate poly(ethylene glycol dimethacrylate or poly \$1ethylene or PEGDMA or cellulose or acetate)) with (fiber or fibril or fibre)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 14:47
S13	14	S11 and S12 and (429/144 or 429/145).ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 14:48
S14	16	S11 and S12 and (429/253 or 429/254).ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 14:55
S15	12	S14 not S13	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 14:55

S16	36003	((Membrane or separator or film or electrolyte) near3 (poly(vinylidene fluoride or poly \$1vinylidene fluoride or PVDF or poly(vinylidene)-co-(hexafluoropropylene) or poly \$1vinylidene\$1co \$1hexafluoropropylene or [P(VDF-HFP)] or poly(acrylonitrile) or poly\$1acrylonitrile\$1 or (PAN) or poly(vinylidene)-co-(acrylonitrile) or poly\$1vinylidene \$1co\$1acrylonitrile or [P(VDF-AN)]) or copolymer or poly (ethylene oxide) or poly \$1ethylene oxide) or (PEO) or poly(urethane) or poly \$1urethane\$1 or poly (methylacrylate) or poly \$1methylacrylate) or poly (methyl methacrylate) or \$1methyl methacrylate or (PMMA) or poly(acrylamide) or poly\$1acrylamide\$1 or (PAA) or poly(vinyl chloride) or poly \$1vinyl chloride or (PVC) or poly (vinylacetate) or poly \$1vinylacetate or (PVAc) or poly (vinylpyrrolidone) or poly \$1vinylpyrrolidone or polytetraethylene glycol diacrylate poly(ethylene glycol dimethacrylate or poly \$1ethylene or PEGDMA or cellulose or acetate)) same (fiber or fibril or fibre)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 15:02
S17	17	S11 and S16 and (429/144 or 429/145).ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 15:04
S18	3	S17 not S13	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 15:04
S19	20	S11 and S16 and (429/253 or 429/254).ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 15:06
S20	4	S19 not S14	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 15:06
S21	521	S11 and S16 and (battery or batteries)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 15:09
S22	4	(("5456000") or ("6322923") or ("5429891") or ("5853916")).PN.	US-PGPUB; USPAT, USOCR	OR	OFF	2010/05/13 15:20
S23	3	(("5681357") or ("5688293") or ("5716421")) PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/13 15:21

S24	64321	(Membrane or separator or film or electrolyte) near3 (poly olefin or poly\$1olefin\$1 or poly ethylene\$1 or poly\$1ethylene\$1 or poly propylene\$1 or poly \$1propylene or pe or pp)	EPO; JPO; DERWENT	ADJ	ON	2010/10/23 11:54
S25	4759	((Membrane or separator or film or electrolyte) near3 (poly (vinylidene fluoride or poly \$1vinylidene fluoride or PVDF or poly(vinylidene)-co-(hexafluoropropylene) or poly \$1vinylidene\$1co \$1hexafluoropropylene or [P (VDF-HFP)] or poly(acrylonitrile) or poly\$1acrylonitrile\$1 or (PAN) or poly(vinylidene)-co-(acrylonitrile) or poly\$1vinylidene \$1co\$1acrylonitrile or [P(VDF-AN)] or copolymer or poly (ethylene oxide) or poly \$1ethylene oxide) or (PEO) or poly(urethane) or poly \$1urethane\$1 or poly (methylacrylate) or poly \$1methylacrylate) or poly (methyl methacrylate) or poly \$1methyl methacrylate or (PMMA) or poly(acrylamide) or poly\$1acrylamide\$1 or (PAA) or poly(vinyl chloride) or poly \$1vinyl chloride or (PVC) or poly (vinylacetate) or poly \$1vinylacetate or (PVAc) or poly (vinylpyrrolidone) or poly \$1vinylpyrrolidone or polytetraethylene glycol diacrylate poly(ethylene glycol dimethacrylate or poly \$1ethylene or PEGDMA or cellulose or acetate)) near5 (fiber or fibril or fibre)	EPO; JPO; DERWENT	ADJ	ON	2010/10/23 11:54
S26	72	S25 and S24	EPO; JPO; DERWENT	ADJ	ON	2010/10/23 11:54
S27	2	S26 and @pd>"20100505"	EPO; JPO; DERWENT	ADJ	ON	2010/10/23 11:55
S28	129282	(Membrane or separator or film or electrolyte) near3 (poly olefin or poly\$1olefin\$1 or poly ethylene\$1 or poly\$1ethylene\$1 or poly propylene\$1 or poly \$1propylene or pe or pp)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/10/23 11:57

S29	19481	((Membrane or separator or film or electrolyte) near3 (poly(vinylidene fluoride or poly \$1vinylidene fluoride or PVDF or poly(vinylidene)-co-(hexafluoropropylene) or poly \$1vinylidene\$1co \$1hexafluoropropylene or [P(VDF-HFP)] or poly(acrylonitrile) or poly\$1acrylonitrile\$1 or (PAN) or poly(vinylidene)-co-(acrylonitrile) or poly\$1vinylidene \$1co\$1acrylonitrile or [P(VDF-AN)]) or copolymer or poly (ethylene oxide) or poly \$1ethylene oxide) or (PEO) or poly(urethane) or poly \$1urethane\$1 or poly (methylacrylate) or poly \$1methylacrylate) or poly (methyl methacrylate) or poly \$1methyl methacrylate or (PMMA) or poly(acrylamide) or poly\$1acrylamide\$1 or (PAA) or poly(vinyl chloride) or poly \$1vinyl chloride or (PVC) or poly (vinylacetate) or poly \$1vinylacetate or (PVAc) or poly (vinylpyrrolidone) or poly \$1vinylpyrrolidone or polytetraethylene glycol diacrylate poly(ethylene glycol dimethacrylate or poly \$1ethylene or PEGDMA or cellulose or acetate)) with (fiber or fibril or fibre)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/10/23 11:57
S30	26	S28 and S29 and (electrospin\$5 or (electrostatic adj spin\$5))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/10/23 11:57
S31	0	S24 and S25 and (electrospin\$5 or (electrostatic adj spin\$5))	EPO; JPO; DERWENT	ADJ	ON	2010/10/23 12:01

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